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NOTES ON INSPECTION OF DRAINAGE SYSTEM AROUND ELECTRODE DIVISION,
HOBART BROTHERS, TROY.

Dayton, August 31, 1970

Mr. Tim Doyle, Miami Conservancy District, requested information on the status of the permit of the Electrode Division of Hobart Brothers, Troy, for the discharge of their industrial wastes into "waters of the state". This industry pays a minimum fee to the Miami Conservancy District. They are not under permit and our records do not show that they were ever under permit. Therefore, on August 12, 1970, an inspection was made of the drainage system surrounding this facility to locate outfalls and character of discharges from each.

A preliminary survey of Morgan Ditch, south of the plant, located two outfalls. One was dry and the discharge from the other was turbid. After settling the turbid color was reduced, but two precipitates were formed; the first was a black granular substance, probably graphite, and the second a flocculent whitish substance of unknown composition. The drainage ditch running between the east side of the plant and the B & O Railroad had little flow, but several small pipes and a storm sewer empties into this ditch. Dirt from construction of the addition to the plant had disturbed this ditch, but there was evidence of a reddish deposit in the stream bed. According to Frank Ruck, this is probable from their derusting operations. Mr. Don Fogel, City Engineer, stated that all pipes are from the Hobart complex.

The ditch discharges into Morgan's Ditch which flows in an easterly direction and empties into the Great Miami River. On the afternoon of August 19, 1970, the

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the Miami Conservancy District measured the flow in Morgan's Ditch. It was approximately 800,000 g.p.d. and all was attributed to discharges from the Hobart complex. At the time of measurement, the flow in the ditch was rust colored.

A meeting will be August 27, 1970 with Mr. Paul W. Haley, Director of Manufacturing, Hobart Brothers, to discuss this situation and explore corrective actions that can be taken.

No further action is required at this time.

Charles A. Forsthoff
District Sanitary Engineer

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